

# PERFORMANCE TESTING

## MODEL SUMMARY

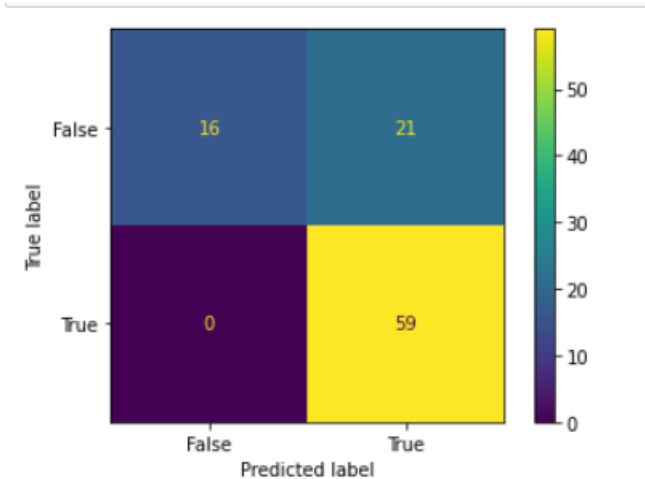
DecisionTreeClassifier

```
DecisionTreeClassifier(max_depth=8, max_features=0.9, max_leaf_nodes=30,  
    min_impurity_decrease=0.05, min_samples_leaf=0.02,  
    min_samples_split=10, min_weight_fraction_leaf=0.005,  
    random_state=2, splitter='random')
```

## ACCURACY

| CONTENT           | VALUE |
|-------------------|-------|
| Training Accuracy | 81.5% |
| Testing Accuracy  | 78.1% |

## CONFUSION MATRIX



**CLASSIFICATION REPORT**

| CONTENT        | VALUE   |
|----------------|---------|
| Precision      | 73.75%  |
| Recall         | 100%    |
| F1 Score       | 84.89%  |
| Accuracy Score | 78.125% |